



ARC VLPA™ Wedge GPS/Cellular Combo Antenna



- ◆ High gain, low cost, patented circuit design
- ◆ Low profile, 'wedge' design excellent for many different covert vehicular installations
- ◆ Rugged design, with high temperature UV resistant plastic
- ◆ US Engineered
- ◆ Manufactured under strict US quality control procedures
- ◆ Different connector options and cable lengths available

GPS Electrical Specifications	
Frequency Range	1575.42 MHz ±2 MHz
Gain Patch Antenna @ Zenith LNA	5 dBi typ. 27 dBi typ.
Polarization	RHCP
Axial Ratio	1 dB typ.
VSWR	2.0:1 max.
Impedance	50 ohms
LNA Noise Figure	1.5 dB
LNA Supply Voltage	3.3 V ±0.6 V or 5 V ±1 V
LNA Current Consumption	9 mA typ., 12 mA max.
Standard Cable Type	8, 10, or 15 ft low loss cable
Standard Connectors	MMCX, SMA, MCX, FME, TNC, FAKRA

AMPS/GSM/GPRS/DCS/UMTS Electrical Specifications	
Frequency Range	806-960 MHz & 1710-2170 MHz
Gain 806-960 MHz 1710-2170 MHz	Unity typ. 2 dBi typ.
Polarization	Linear
VSWR	1.5:1 typ., 2.5:1 max.
Impedance	50 ohms
Power Rating	10 Watts
Standard Cable Type	8, 10, or 15 ft low loss cable
Standard Connectors	MMCX, SMA, MCX, FME, TNC, FAKRA

Mechanical & Environmental Specifications	
Length x Width x Height	4.50in x 1.4in x .63in (114mm x 69mm x 13mm)
Housing Material	UV Stabilized ABS Plastic
Operating Temperature Range	-49°F to +158°F (-45°C to +70°C)
Mounting Interface	Double sided adhesive tape
Packaging	50 units/box MOQ/26 lb (11.6kg) 12x12x12 in (305x305x305 mm)

Ordering Information	
Part #	Description
ARC-CV1010B01	Wedge GPS/Cellular Combo, 10ft SWI-100, SMA Plug/FME Jack, left cable exit
ARC-WA0304B01	Wedge GPS/Cellular Combo, 3ft SWI-100, SMA Plug/SMA Plug, left cable exit
ARC-WA0305B01	Wedge GPS/Cellular Combo, 3ft SWI-100, SMC Plug/SMA Plug, left cable exit
ARC-WA0800B01	Wedge GPS/Cellular Combo, 8ft RG174, No connectors, right cable exit
ARC-WA0802B01	Wedge GPS/Cellular Combo, 8ft RG174, MCX Plug/MMCX Jack, right cable exit
ARC-WA0803B01	Wedge GPS/Cellular Combo, 8ft RG174, FAKRA Code C/FAKRA Code D, right cable exit
ARC-WA0804B01	Wedge GPS/Cellular Combo, 8ft RG174, SMA Plug/SMA Plug, right cable exit
ARC-WA0806B01	Wedge GPS/Cellular Combo, 8ft RG174, SMA Plug/TNC Plug, right cable exit
ARC-WA0808B01	Wedge GPS/Cellular Combo, 8ft RG174, SMB Plug/SMA Plug, right cable exit
ARC-WA1502B01	Wedge GPS/Cellular Combo, 15ft SWI-100, MCX Plug/MMCX Jack, right cable exit
ARC-WA1503B01	Wedge GPS/Cellular Combo, 15ft SWI-100, FAKRA Code C/FAKRA Code D, left cable exit
ARC-WA1504B01	Wedge GPS/Cellular Combo, 15ft SWI-100, SMA Plug/SMA Plug, left cable exit
ARC-WA1506B01	Wedge GPS/Cellular Combo, 15ft SWI-100, SMA Plug/TNC Plug, right cable exit

NOTE: These products are considered "Special Order" with a 10-week lead time. Reduced lead times are available. Contact ARC for details.

www.antennas.com

Don't see what you need? Contact us to discuss alternate configurations.

Specifications subject to change without notice.